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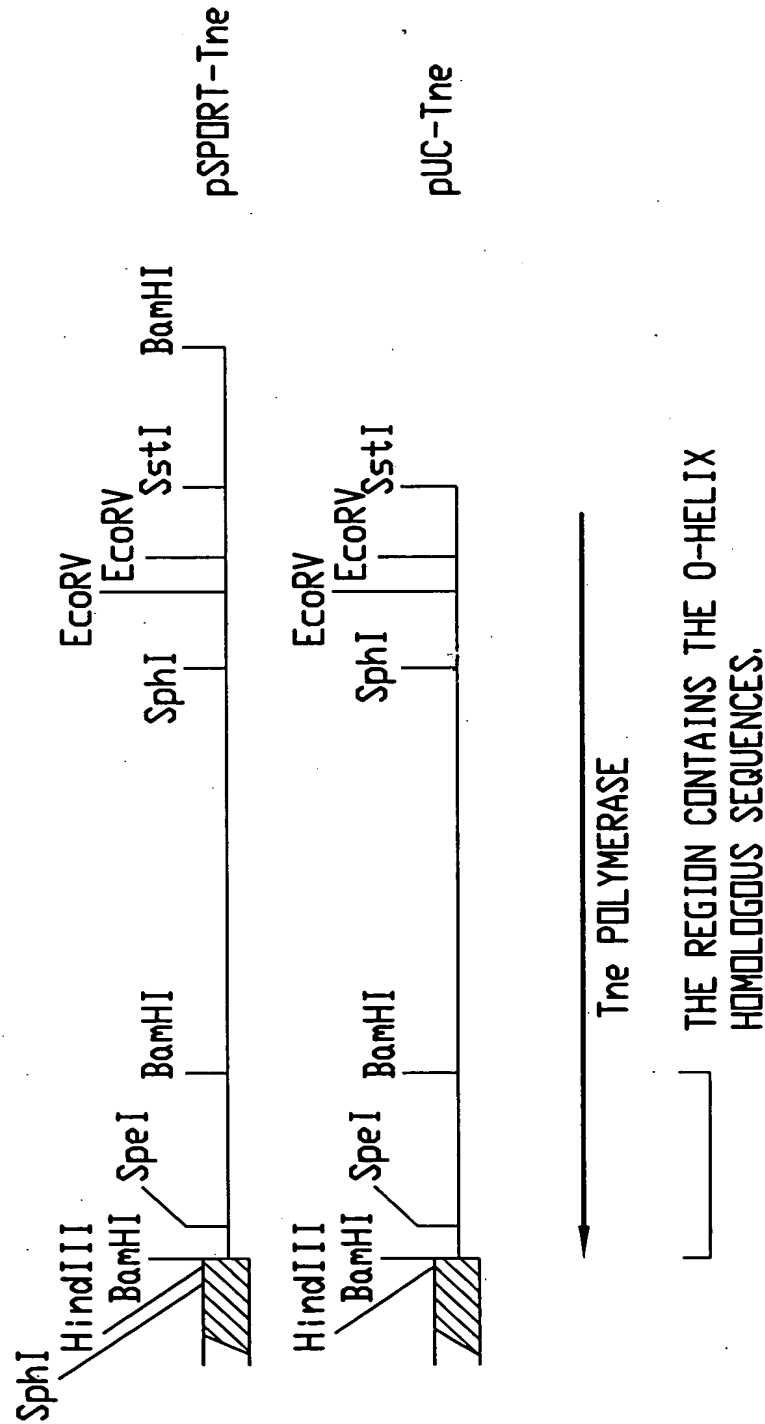


FIG.1

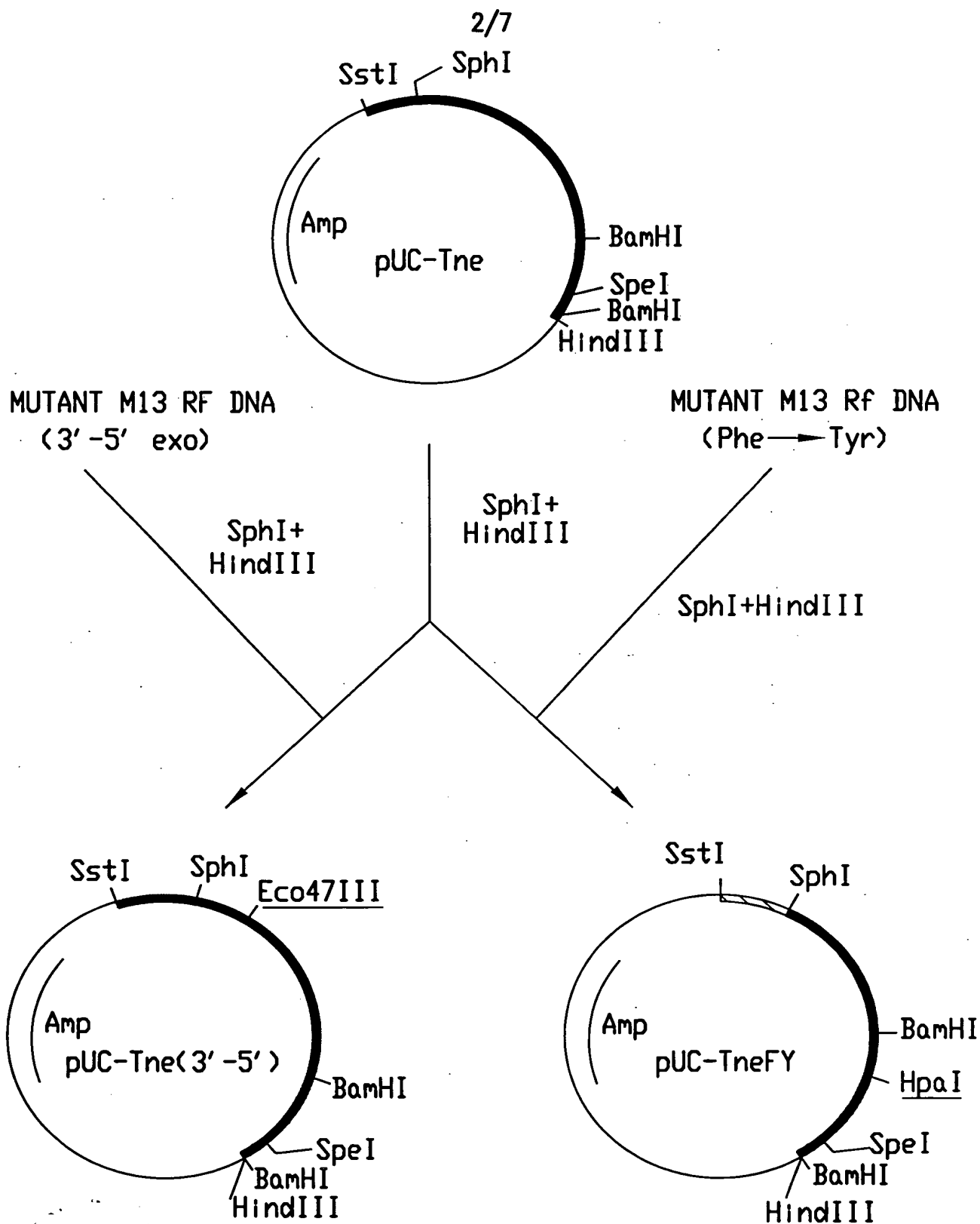


FIG.2A

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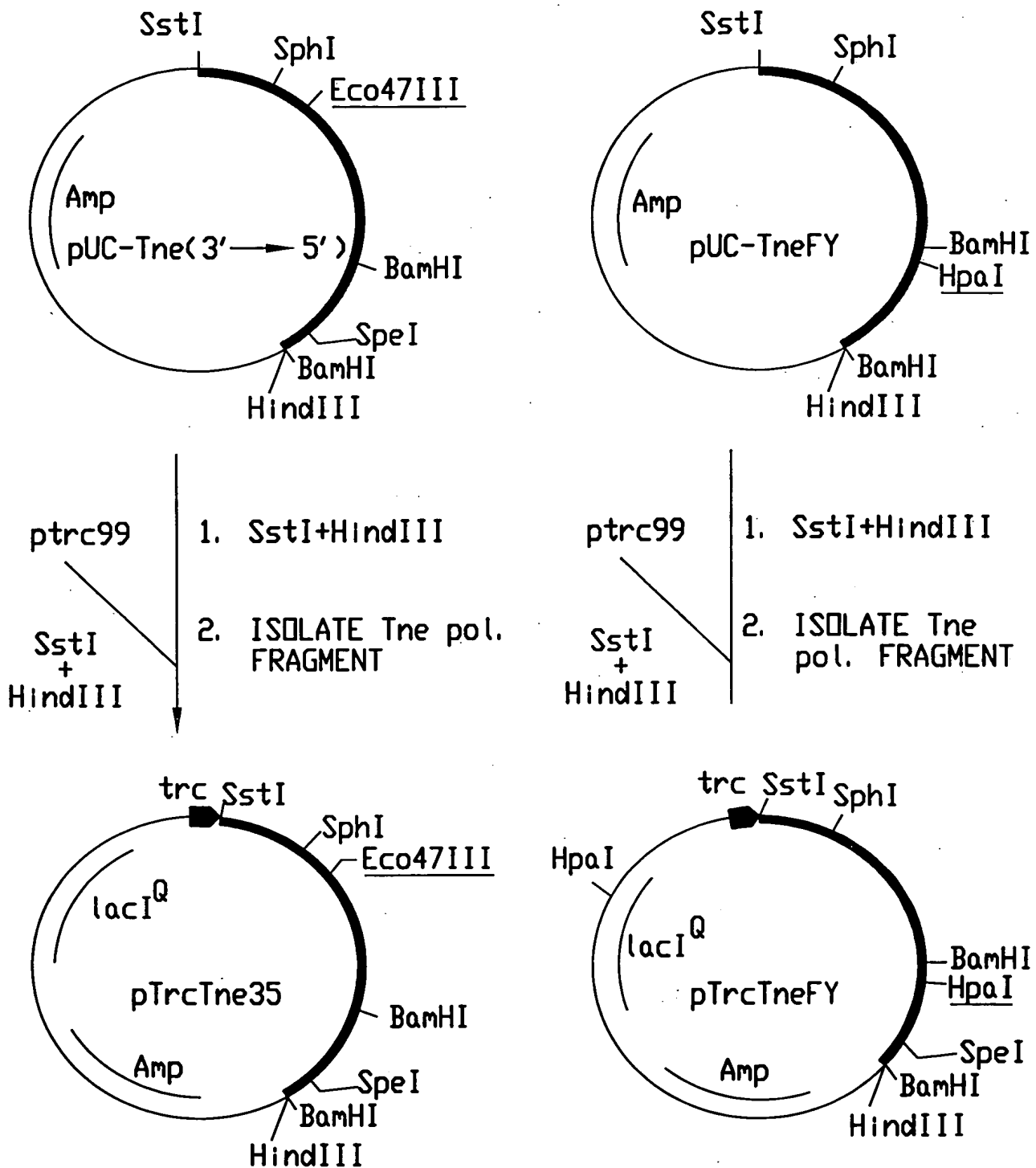


FIG.2B

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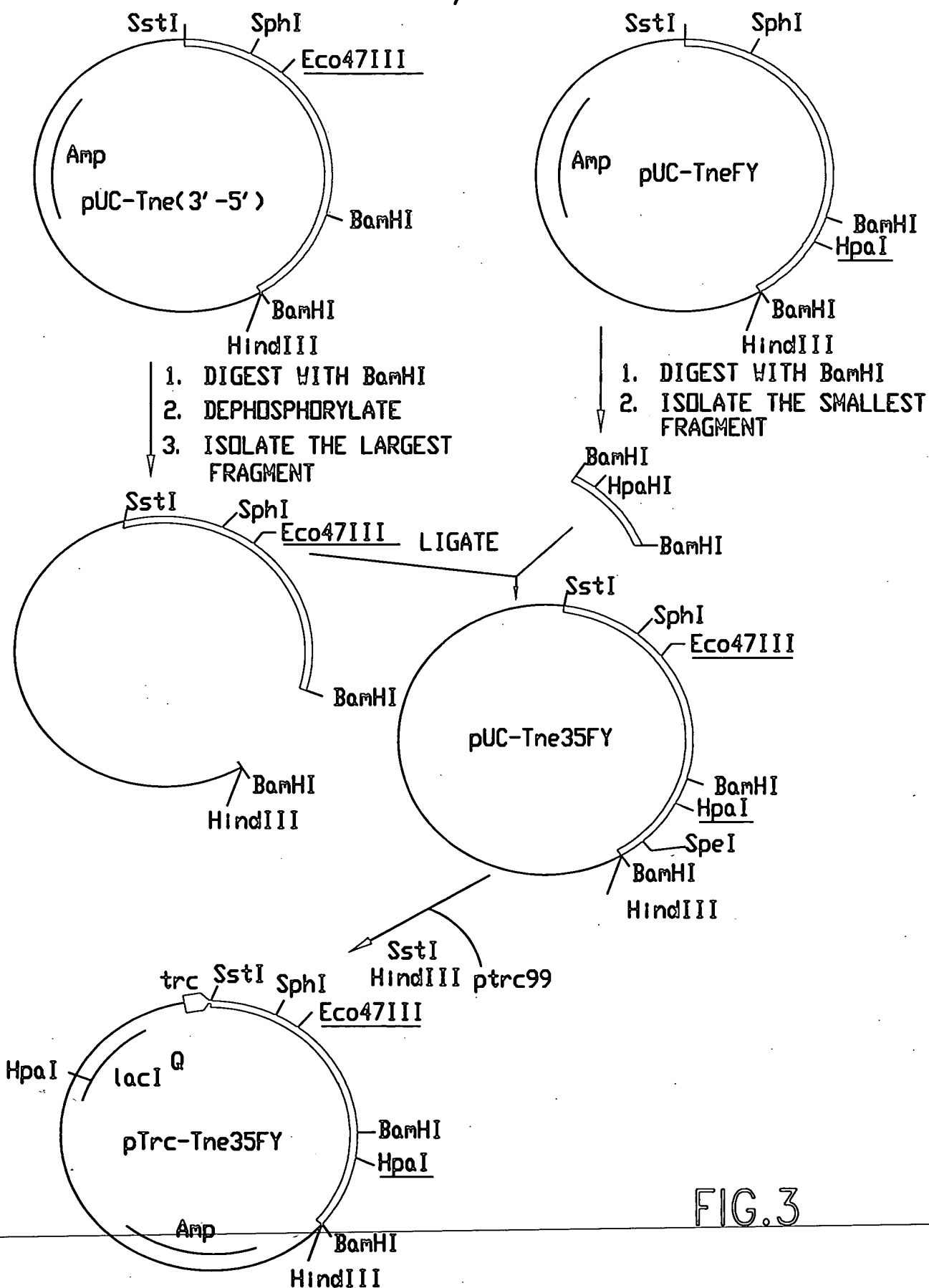


FIG.3

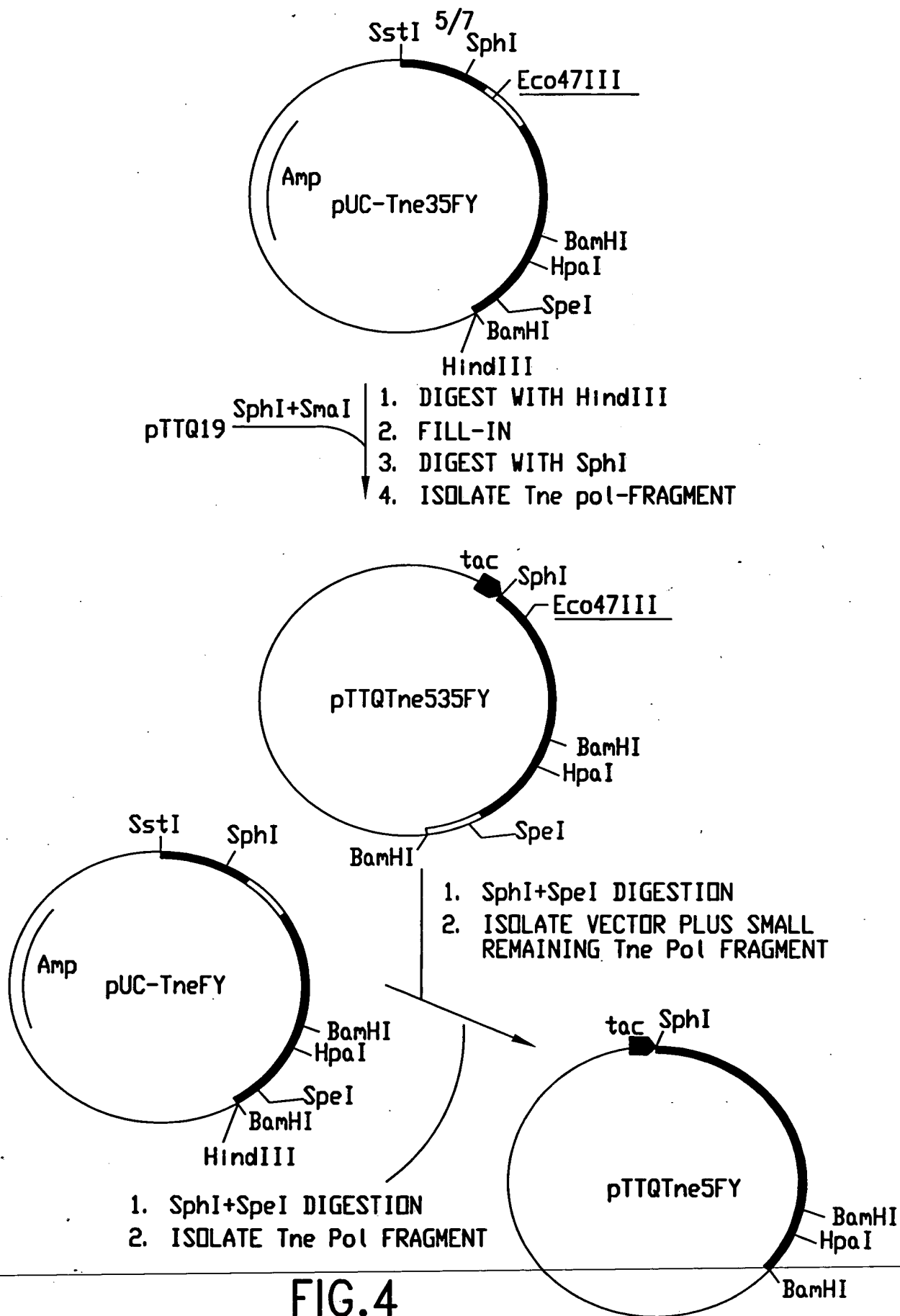
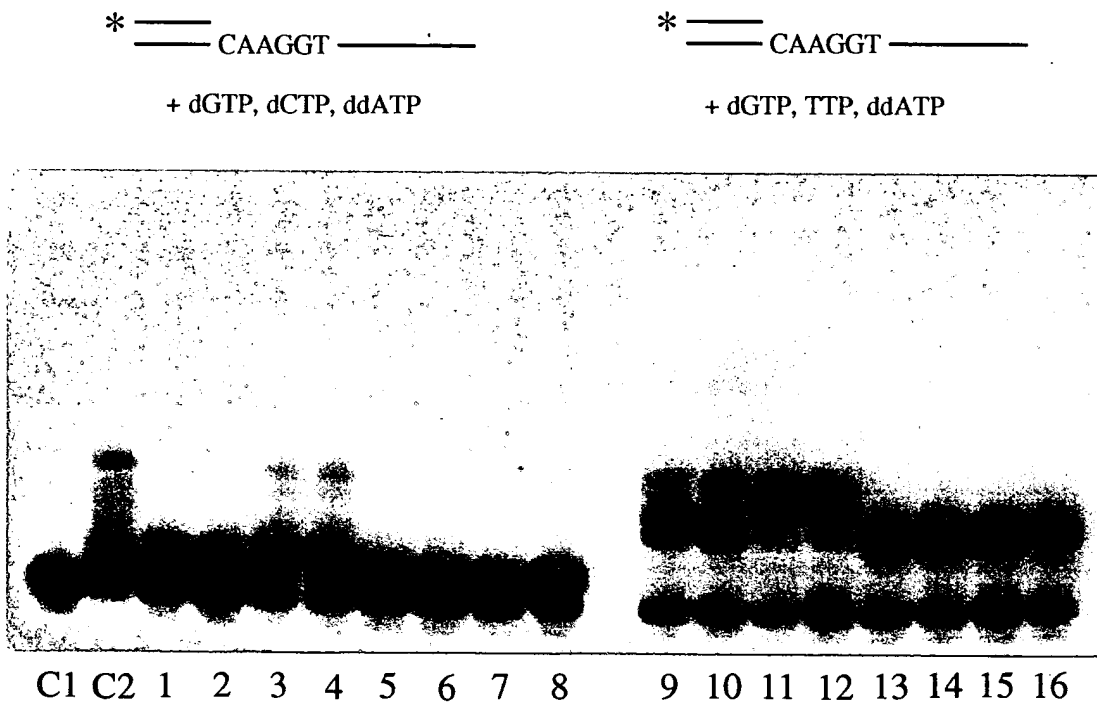


FIG.4

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Figure 5



C1 Primer alone
 C2 Reaction with dGTP, dCTP, TTP, ddATP and Tne DNA Polymerase (D137A, D323A, F730Y)
 1,2:9,10 Taq DNA Polymerase
 3,4:11,12 Tne DNA Polymerase (D137A, D323A)
 5,6:13,14 Tne DNA Polymerase (D137A, D323A, R722Y)
 7,8:15,16 Tne DNA Polymerase (D137A, D323A, R722L)

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Figure 6

